

DXpedition News

Central Kiribati - T31 Jim Smith T31JS is active on all bands and modes through at least July 17. Reports place Jim on 40M at 05-08Z, and 1030Z for East Coast. 14195 and 14030 kHz 03-06Z, and 1130Z for East Coast. 21295 and 21030 kHz 23-04Z. 28525 kHz at 2230Z. For RTTY, try 14084 kHz 04-06Z. QSL VK9NS, donations appreciated.

Zone 2 - VE2 Martin VE2EDK and Sylvain VE2DWU will be in CQ Zone 2 July 16-27, 80-10M CW (SSB on request.) They'll especially watch for W6s on 10M. QSL home call for VE2DWU, and VE2EDK to 37 Sauvageau, Beauport, Quebec G1C 5N2, Canada. It cost \$CAN0.43 postage to the US.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Isle of Man - GD The Liverpool and District Amateur Radio Society will operate Aug. 26-Sept. 7 from Isle of Man, including Sept. 3-4 as GD3AHD/p. All bands and modes, with special attention to low bands. RTTY 80-10M. QSL GD3AHD to G4CVZ.

Guam - KH2 Bob Winters KD7P will be stationed in Guam for almost two years, starting this August. He promises all-band, all-mode operation, and lots of contest activity as NH2/KD7P. He likes 80, 15, and 10. QSL to 68 Betel Palm, So. Finegayan, NCWP, FPO San Francisco CA 96630, with IRCs or SASE. He's looking for help to buy an anticipated 50,000 QSL cards.

Franz Josef Land - UA10 Evgeny UA0BEZ/1 will be on Heyss Is. in Franz Josef Land Sept. 1988-Oct. 1989. QSL RA3YA.

July 15, 1988

Issue 446

Reserve Your Island

- Tony WB2P will be on as ZF2ML from Cayman for CQWW SSB in October.
- Carl AI6V will return to Aruba for a multi-multi record attempt as P40V in CQWW SSB. He's offering a certificate for working the station on 4 or more bands.

Shortly Noted

- Dale is back as VQ9QM on CW. Try 21026-29 kHz around 1400Z. QSL W4QM.
- YB20RI will be on through August, celebrating 20 years of independence. QSL YB bureau.
- Russian signals pour over the North Pole on 20 and 15 meters most evenings.
- K2BPP/6Y5 will be there for a few weeks. Try 21325 kHz at 2200Z. QSL KA2UHS.
- BY4RB is on nightly on 14025-30 kHz, 1200-1230Z or thereabouts.
- Don't forget it's the middle of winter in the Southern hemisphere, their low-band season. ZL5BKM is on 80 and 40 meters from Antarctica. 8J1RY, the Japanese base on Antarctica, works home on 21250 at 1100Z.
- JY9LC tries to be on 14160-200 kHz 0200-0245Z most days.
- SSB net regulars are: 1Z9B ZK3RVC D68MG 5V7TM 3B9FR JX8KY TL8HW and FT5ZB on 14236 kHz at 0300Z.
- FT5ZB also likes 14025 kHz at 1030 and 0345Z, 14165 or 14215 kHz at 1000Z, or 7005 kHz at 1030Z.
- Other 40M ops are P29HS 7005-10 kHz at 1000Z, and ZK3RVC 7163 net at 0700Z.
- On 20M SSB, try A35SA 14210 kHz at 0400Z, CN2AQ at 0330Z, DU9RG 14180 kHz at 1100Z, and J52US 14225 kHz at 0145Z.
- 9Q5DX likes 21015-25 kHz at 2000Z.

Awards

- Special event stations for the Olympics from Korea include 6K24SO, 6K88SO, and 6K88BYC. HL hams can use 88 in their calls. Awards will be available for working Olympic stations. (Thanks W5YI Report.)
- The Radio Club Venezolano and the Venezuelan Navy will be on from Los Monjes Archipelago July 14-17, with YY5-M callsigns. Work them on 4 bands for a certificate. QSL to the club at Box 2285, Caracas 1010-A, Venezuela.
- The Laurel MD Amateur Radio Club will operate W3GFS from an island in the Chesapeake Bay July 23-24. Bottom 25 kHz of General Class subbands. QSL with large SASE for certificate to the club at Box 1436, Laurel MD 20707.

Publishing Note There will be no issue dated July 29th, so my wife and I can get away for a week of vacation. Issue 448 will be dated Aug. 5. -ed.

PROPAGATION

Forecast and Historical Data

Day	Forecast	27 Days Before			55 Days Before				
		Date	Flux	A	K	Date	Flux	A	K
July	Low Normal	6/18	122	13/21	3	5/21	110	10/22	2
15	Below Nor	6/19	116	20/33	3	5/22	111	07/18	1
16	Below Nor	6/20	115	14/35	3	5/23	119	04/16	0
17	High Nor	6/21	121	07/16	2	5/24	117	08/17	2
18	Low Normal	6/22	119	14/22	3	5/25	119	06/15	2
19	High Nor	6/23	125	11/17	3	5/26	125	08/16	1
20	Below Nor	6/24	135	20/31	4	5/27	127	02/10	1
21	Disturbed	6/25	150	24/48	3	5/28	127	01/12	1
22	Below Nor	6/26	155	13/29	3	5/29	136	10/16	3
23	High/Low	6/27	155	11/21	3	5/30	139	12/21	3
24	High/Low	6/28	178	14/22	1	5/31	145	09/17	2
25	Disturbed	6/29	183	26/45	3	6/1	150	06/14	2
26	Disturbed	6/30	184	21/49	3	6/2	144	05/13	2
27	Below Nor	7/1	193	13/31	3	6/3	145	05/11	0
28	Low Normal	7/2	192	11/26	2	6/4	147	01/13	1
29	High Nor	7/3	187	07/18	2	6/5	147	07/49	3
August									
1	Above Nor	7/4	175	02/15	0	6/6	154	09/19	2
2	Above Nor	7/5	166	02/14	2	6/7	160	05/15	2

Thanks KH6BZF and Space Environment Services Center.

Propagation Watch

The first 10 days of July were a summer-time treat for DXers. High flux levels and very low absorption let to excellent band conditions, especially on 20 and 15 meters.

Solar flux has retreated from its Cycle-22 high of 193 on July 1, but continues higher than one might expect at this stage in the cycle, keeping 20 meters open all night.

The extremely low absorption has even permitted DXing on 160 meters in July! The Boulder K index was zero for 24 hours July 4-5, and for 9 hours July 9.

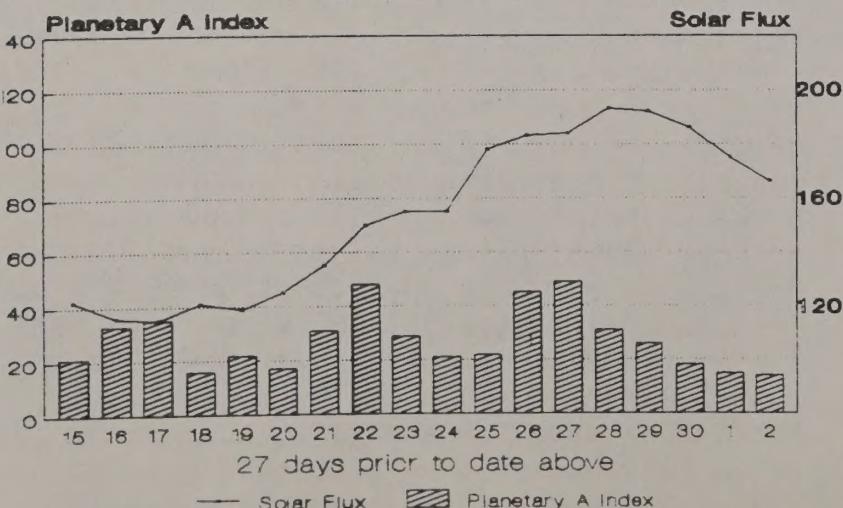
The high flux and low absorption has produced world-wide openings on 15 meters, with all continents hearing each other at the same time: a taste of what Cycle 22 is bringing our way soon!

Unfortunately, the forecast for the next few weeks is poor. We expect the recurrence of the solar activity that gave us poor band conditions around June 25th and 30th.

The good news is that sunspot regions change very rapidly at this stage of the sunspot cycle, and by the time they rotate around the sun 27.5 days later, they are often much less disruptive, and sometimes completely gone. Also, look for enhanced conditions just before a solar storm.

Except for solar storms, look for daytime DX on 15 meters, all-night DX on 20, some gray-line openings on the lower bands, and north-south (and maybe some multi-hop E-skip) on 10 and 12 meters. Good DXing!

Solar Data



Congo - TN4NW

Tom Gregory N4NW made about 4700 contacts during the July 4th weekend as TN4NW. Approximately 30% of the QSOs were with Japanese DXers, over a tough propagation path. He operated mostly 15M SSB and 20M, with a bit of 10M. Tom made about 20 contacts on 40M CW, mostly W's. No 75/80M QSOs. (Unfortunately, Slim also signed TN4NW on 40 CW.)

Tom's computer logging meant he spotted "insurance" contacts immediately. Tom returns the full callsign of the station calling, so the need for duplicate contacts is greatly reduced. Don't try working him more than once a band, or he may use the DELETE key!

Tom will return to the Congo as soon as he can get another long weekend. He'll take a tri-band beam and a 40M dipole next time.

Single-Band DXCC Awards

The ARRL Letter reminds DXers to use the new DXCC award application forms, available from ARRL HQ., for both the new single-band awards, and for the standard DXCC awards. Ask for the new DXCC application form package (MCS forms 16, 164, 216, and 253), and send a #10 (large) self-addressed envelope with two units of first class postage (\$0.45 to US, \$0.55 VE.)

DXCC Administrator Don Search W3AZD says he had received dozens of applications for the new 10-meter DXCC award by the July 1 deadline. However, he will not process those applications, nor announce standings, for at least a month.

1988 Northwest DX Convention

The British Columbia DX Club will sponsor the 1988 Northwest DX Convention July 23-24, at the Richmond Inn, Richmond BC. Registration is \$US40 or \$CAN48, payable to B.C. DX Club, from Ken Thompson, Box 3048, Blaine WA 98230, or 12467 53rd Ave., Surrey BC V3W 1A4, Canada. The DX Bulletin will see you there!

DX Challenges

One of the West Coast's more active DXers, Doc KD7SO, has been chasing Oblasts, Indonesian provinces, and other DX goals. He wonders if other DXers have done any of the following:

- 1) Worked all Oblasts in less than 3 years.
- 2) Worked all five archipelagoes in FO
- 3) Worked all 27 Indonesian Provinces
- 4) Worked all 20 provinces in P29.

Contact him at his Callbook address. Doc recommends 21345 kHz at 1300Z, especially on Saturdays, when John YB8AX/0 brings up rare YB stations, such as islands and YB9. A map of the YB provinces is available from The DX Bulletin for an SASE.

IRCs Available: \$0.50

The DX Bulletin recently came across a limited number of International Reply Coupons (IRCs). They are available in bundles of 50 for \$US25, postage paid. Check or credit card info to The DX Bulletin, Box 50, Fulton CA 95439, or call (707) 523-1001. (We also have a bundle of "bad" IRCs, stamped on the right side or not stamped at all. Anyone interested?)

Kyokuto Manual Wanted

Jose Cespedes C. YN3CC is looking for the service manual, or even a schematic diagram, for the Kyokuto Denshi VHF FM transceiver model FM144-10SXr II, serial number 8484. Contact Jose at Box C-89, Managua, Nicaragua. Jose says he is on the air most evenings 0400-0700Z on 20 meters, but he also checks 7010 kHz for activity.

BANDPASS

Reports Wanted,
Especially RTTY, 30 meters

-----RTTY-----

5W1GP	14089	0545	2	CA	9H3IJ	14017	2354	4	MT	DU9RG	14180	1135	5	CT	7P8DP	21241	1143	3	WV
7J1ADJ	14075	0109	4	FL	9J2EJ	14002	0646	3	WA	FH8CB	14210	0335	2	MA	8J1RY	21250	1121	26	JA
C02BB	14097	0230	4	OH	9M2LE	14015	1154	22	JA	FR5DX	14205	0339	3	TN	9M6HF	21215	1153	26	JA
CX5AE	14095	2213	3	FL	BV2B	14005	1131	4	NH	FT5ZB	14214	1115	7	OR	9N1MC	21316	1710	5	OR
HH2FX	14086	0731	2	CA	BY4RB	14030	1240	1	NJ	HK0EFU	14180	0208	2	MA	9Q5NW	21287	1600	4	TN
OE2DAN	14095	0140	4	OH	CN8FC	14003	2358	9	FL	HZ1HZ	14180	0800	4	CA	9Q5UN	21242	2024	3	MN
PJ2MI	14090	1040	5	OH	CS0REP	14026	0133	2	MA	J52US	14223	0142	3	CT	9V1TJ	21239	1626	4	MD
RB5IO	14085	0325	4	OH	FT2XE	14055	1105	2	FL	J52US	14190	0051	30	MA	9V1WU	21330	1525	5	MO
SV5TS	14085	2317	2	FL	FT5ZB	14023	0333	5	CT	JY1	14295	1749	5	MA	A22RB	21250	1415	4	WI
T31JS	14083	1930	6	CA	GB75DX	14025	1529	6	OR	JY5CI	14237	0402	19	VT	A92BE	21295	2238	4	CT
UA3TN	14080	0300	4	OH	GM3BRA/A	14010	2253	27	MI	JY9LC	14200	0213	5	NV	BY4RB	21227	1525	3	MA
UM8MM	14086	0042	5	FL	HB0CZS	14002	0257	2	PA	KG6DX	14198	1200	4	OH	C53FJ	21237	1225	3	WV
UM9MWA	14083	0023	4	MN	HL1XP	14006	1350	1	PA	KH2F	14196	1100	7	OH	CE0DFL	21275	0411	6	OR
UW6CM	14085	0520	6	CA	J52US	14004	2245	27	MD	KX6HE	14197	1045	5	OH	CN8EL	21218	2220	29	IA
VK2AAX	14088	0707	6	CA	JT1BR	14027	1535	4	MN	LS8E	14187	0254	3	IL	CN8ST	21309	1720	29	NY
Y06JN	14087	0325	4	OH	JW0B	14022	0150	5	FL	OH0BH	14216	0259	29	CT	D44BC	21289	1830	4	TN
ZK1CG	14092	0234	17	FL	TA2/	14220	0741	4	NV	OY2J	14220	0741	4	NV	DV1/	21227	1220	5	FL

-----160 Meters-----

PP7JR	1834	0030	4	MA	TF/DK2OY	14025	0120	2	TN
T31JS	1832	0949	5	MD	TR8JLD	14027	2314	3	MN
UB3IWA	1835	0103	28	MA	TU4CO	14009	2114	3	MA
UR2RGN	1833	0050	28	MA	UA10/	14026	0331	4	MN

-----80 Meters-----

PY0FF	3503	0036	4	MA	UA0BDU	UC1LWN	14048	0402	3	FL
YJ8NJS	3505	1130	5	IA	UD6DKM	14025	0045	5	FL	

-----75 Meters-----

PY0FF	3796	2349	3	PA	UI9AWX	14007	1650	2	WA
T31JS	3798	0550	4	WA	UV0BB	14023	0044	29	MI
TR8JLD	3797	0459	3	MA	VO8AC	14026	0306	1	TN
VK6HE *	3798	2334	3	PA	XU1SS	14025	1335	5	MT
VP8BFM	3788	2355	5	PA	Y88SOP	14029	0646	5	CA
YC0WR *	3791	2358	3	PA	ZA2MM !	14021	0039	9	FL
ZK3RVC	3799	1012	7	PA	ZD8HR	14007	2156	4	JA
ZL5BKM	3798	0958	5	PA	ZF2AH	14027	1221	5	NY
ZS3/	3791	0510	2	MA	ZS1AAX *	14027	1307	2	MT
ZS4NS					*****				

-----40 Meters-----

5T5NU	7163	0613	4	OR	-----20 Meter SSB-----	3B9FR	14210	0320	2	MA
7X3DA	7004	0410	4	TN	3B9FR *	14190	1158	25	FL	
FK8FU	7010	1140	1	WY	3D2AG	14213	0649	2	CA	
FT5ZB	7006	1024	7	FL	3D2MP	14187	0637	1	OR	
HL5BCW	7004	1220	3	ID	3DA0BC	14205	1345	6	OR	
LU5EAS/Z	7163	0804	25	NV	4K0D	14165	1200	4	NH	
P29HS	7004	1000	5	IA	5T5NU	14231	0415	1	PA	
PY0FF	7004	0115	3	MA	5V7TM	14240	2154	30	NH	
TU4CO	7010	0605	4	WA	6W6JX	14160	0019	30	MA	
ZD8HR	7001	0251	4	TN	6W8/	14176	0115	6	MA	
ZK2JT	7163	0722	27	MD	EA4RCT					
ZL5BKM	7005	1020	4	CT	9K2KW	14173	2238	29	MA	
					9M8PV	14165	1200	1	NJ	
					9N1RN	14196	1508	6	OR	
					A24KH	14209	0705	2	CA	
					A35SA	14210	0400	2	MA	
					A92BE	14220	0100	3	MA	
					BY1QH	14219	1252	7	MA	
					C21BD	14165	1235	29	CO	
					CE0GHO	14212	0153	30	OH	
					CN2AQ	14188	0340	2	CO	
					D68MG	14236	0358	3	OR	

-----30 Meters-----

JA7URW	10104	1225	2	NH	9K2KW	14173	2238	29	MA
JD1/	10102	1345	4	WA	9M8PV	14165	1200	1	NJ
JF3QMJ					9N1RN	14196	1508	6	OR
VK2HW	10107	1227	2	NH	A24KH	14209	0705	2	CA
ZL1BKR	10106	1230	2	NH	A35SA	14210	0400	2	MA
					A92BE	14220	0100	3	MA
					BY1QH	14219	1252	7	MA
					C21BD	14165	1235	29	CO
					CE0GHO	14212	0153	30	OH
					CN2AQ	14188	0340	2	CO
					D68MG	14236	0358	3	OR

Key to Bandpass: Callsign, frequency, UTC, day of month - state. * = long path, P = Packet. All 'portable' calls are listed with country of operation first, regardless of format used on the air.

DU9RG	14180	1135	5	CT	7P8DP	21241	1143	3	WV
FH8CB	14210	0335	2	MA	8J1RY	21250	1121	26	JA
FR5DX	14205	0339	3	TN	9M6HF	21215	1153	26	JA
FT5ZB	14214	1115	7	OR	9N1MC	21316	1710	5	OR
HK0EFU	14180	0208	2	MA	9Q5NW	21287	1600	4	TN
HZ1HZ	14180	0800	4	CA	9Q5UN	21242	2024	3	MN
J52US	14223	0142	3	CT	9V1TJ	21239	1626	4	MD
J52US	14190	0051	30	MA	9V1WU	21330	1525	5	MO
JY1	14295	1749	5	MA	A22RB	21250	1415	4	WI
JY5CI	14237	0402	19	VT	A92BE	21295	2238	4	CT

JY9LC	14200	0213	5	NV	BY4RB	21227	1525	3	MA

City	State	Postal Code	Zip + 4 or Country
Name	Address	Call Sign	
Print your Name, Call sign and complete mailing address clearly.			
Expires	Signature		
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CALENDAR

Issue 446 - July 15, 1988

(Changes and hot info in boldface.)

Amsterdam - FT8Z FT5ZB 14165+ 1000Z I446
 7005 1030Z; 14025 1030Z
Antarctica ZL5BKM 80/40 8J1RY 15I446
Bahrain - A92 A92BE 21200-230 03Z I442
Brunei - V85 V85BA 14175-215 12Z I444
Cape Verde - D4 D44BC 14205 0300Z I444
Cen. Kiribati T31 T31JS to July 17 I446
 40M 05-08Z, 20M 03-06Z
 15M 23-04Z, 10M 2300Z
Chagos - VQ9 VQ9QM 21025-30 1400Z I446
China - BY BY4RB 14025-30 1230Z I446
Christmas - T32 T32BE Sept. 15-21 I441
Corsica - TK TK/HB9TL from Jul 14 I441
Easter Is. - CE0 CE0FFD 21288 0245Z I444
E. Malaysia - 9M 9M8PV 14165 1230Z I443
Franz Josef Land UA0BEZ/1 Sept. 1988 I446
Gabon - TR TR8JLD 14020 05, 21Z I443
Guam - KH2 KH2/KD7P from August I446
Guinea-Bissau J5 J52US 14225 0145Z I446
Isle of Man - GD Aug. 26-Sept. 7 I446
Jordan - JY JY9LC 14190 0200Z I445
Juan Fernandez CE0ICD 14256 at 2100 I443
Kerquelen - FT-X FT5XE 14055 1100Z I442
Kenya - 5Z4 5Z4DU 21320 1830Z I442
Kure - KH7 KH6LW/KH7 July 13-27 I443
Lebanon - OD OD5LX 14022 0200Z I445
Liechtenstein HB0 HB0/F6GMB Aug 8-20 I437
Los Monjes - YY5 July 14-17 I446
Malta - 9H 9H3IJ 20/15 CW 2000Z I445
Marshall Is. KX6 KX6HN 14196 1215-13Z I440
Monaco - 3A 14165 kHz 05Z F9RM I443
Mongolia - JT JT1BR 14027 1400Z I440
Morocco - CN CN2AQ 20M SSB 0330Z I446
Nicaragua - YN YN3EO 14003 0100Z I444
Norfolk Is. VK9N VK9ND 21370 0130Z I445
North Cooks ZK1 ZK1WL 10/15 SSB 0300 I443
Ogasawara - JD1 KA2IJ July 20-27 I443
Rwanda - 9X 9X5SP 14292 0230Z I442
St. Pierre - FP by W9s Aug 10-18 I440

Sao Tome - S9	S92LB 21290 2000Z	I445
Solomons - H4	H44X to Aug. 10	I444
Taiwan - BV	BV2DA 14005 1400Z	I438
Tokelau - ZK3	BV2B 14223-26 1300Z	I439
Tuvalu - T2	ZK3RVC to July 20	I441
Uganda - 5X	7163 net 0700Z 20m nets	
Virgin Is. - KP2	CQWW SSB by K8JRK	I432
W. Malaysia - 9M2	5X5SP 14292 1730Z	I443
Yemen - 4W	W. Malaysia - 9M2 QRPers July 7-14	I442
Zambia - 9J	Yemen - 4W	I440
Zaire - 9Q	Zambia - 9J	I443
Zone 2 - VE2	Zaire - 9Q	I445
VE2s EDK,DWU -July 27I446		

DX Activities and Contests

Date	Event or Activity	Info
July 18	Recip calls change	QST
July 23-24	Northwest DX Conv.	TDXB
Aug. 13-14	European CW test	CQ
Aug. 27-28	Tokyo DX Conv.	JR1AIB
Aug. 27-28	All Asian CW Test	CQ

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following:
 KH6BZF, SESC, AB8K, JA7FS, JH1ROJ, K0CVD, K1HDO, K1MEM, K1TG, K2PEQ, K2UFM, K4MF, K6IR, K6SIK, K8CV, K8RC, K9LJN, KA1BSZ, KA1XN, KA4YAE, KA7T, KC1NE, KD7SO, KE7X, KJ4BK, KJ4GK, KJ6CA, KQ3S, KX1G, N1CIX, N1DYI, N2GLH, N4MAD, N4PZF, N4XR, N6JM, NR8Z, NS7Z, NX7K, OK1306, W0BA, W0IJR, W0YVA, W1FV, W1UN, W1WAI, W3MFW, W4PSJ, W4VQ, W5XX, W6JOX, W6TFO, W6ZH, W7CRT, W8MEP, W9DH, WA1NPZ, WA4DPU, WA7RKJ, WA9AQE, WB3AVN, WB8ZRL, WF4G, ARRL Letter, KD7SO, YN3CC, NCDXC, VE2EDK, VK9NS, G4CVZ, AI6V, WB2P, W3GFS, Radio Club Venezeulo, and DL0MBC. I couldn't do it without your help. Thanks! -ed.

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